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ABSTRACT OF THE DISCLOSURE

A programmable serial interface device. The device generally comprises a programmable logic device and another die mounted to an assembly apparatus. The programmable logic device may comprise (i) a plurality of logic block clusters and (ii) a plurality of routing channels configured to interconnect said logic block clusters. The die may comprise a first communication channel (i) configured to convert between a first serial data signal and a first parallel data signal and (ii) coupled to a first of the routing channels to exchange the first parallel data signal with at least one of the logic block clusters.